

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002271**Date Inspected:** 12-Apr-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** Sub-Assemblies, Bay #13, OBG 9BE, Office**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Sub-Assemblies

Previously applied undercoated Cable Tray components and un-coated components which were observed being coated during non-compliant ambient conditions were re-abrasive blasted to remove applied undercoating to base metal and an SSPC SP-19 condition and Interzinc 22 re-applied,(Notice of Inspection # 3115). Additionally base metal surfaces of 10 pieces of X37A sub assemblies were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 undercoat applied concurrent with the repairs of the non-compliant items.

Bay #13

Caltrans QA Lumley viewed the assembly and in process fabrication of the "Mock-Up" for Segment #13 inside workshop #13.

OBG 9BE

ZPMC were observed performing repairs and touch up work to the internal undercoated surfaces with Interzinc 22, also application of Interzinc 52 to the internal surfaces of the bolt holes was being performed concurrent with this work and cleaning of spent abrasive and screening to remove dry-spray was observed.

Office

Reviewed Special Provisions relative to Non-Skid application and Interzone 954 Product Data Sheets.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley when achievable. International Protective Coatings technical service representative were available for

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inspections and consultation.

Summary of Conversations:

Caltrans QA Lumley discussed with ABF QA Manager Don Walton abrasive blasting and application of specified coating to the internal surfaces of Segment #13, topics discussed were access and difficulty in abrasive removal and overspray as well as lighting. Also discussed was the repair and re-coating of Lift #1 Tower Shafts and which "Skin" was to be in contact with the supporting structures when the Tower Shafts were to be returned for coating repairs and application of the full specified coating system.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang (858) 699-9549, who represents the Office of Structural Materials for your project.

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| Inspected By: | Lumley,James |
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| Quality Assurance Inspector |
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| Reviewed By: | Peterson,Art |
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| QA Reviewer |
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